## REMARKS

Applicants have received a Notice to comply with requirements for patent applications containing nucleotide sequence and/or amino acid sequence disclosures (hereafter the "Notice") mailed by the United States Patent and Trademark Office on September 13, 2002 in connection with the above-identified application. In response to the Notice, Applicants submit herewith (1) a Substitute Sequence Listing in paper and computer readable form pursuant to 37 C.F.R. § 1.821(c) and (e), respectively; and (2) a return copy of the Notice, which address the concerns raised by the Examiner.

I hereby state that the content of the paper and computer readable copies of the Substitute Sequence Listing, submitted in accordance with 37 C.F.R. §1.821(c) and (e), respectively, are the same. I hereby state that the submission herein, filed in accordance with 37 C.F.R. § 1.821(g) does not include new matter.

Respectfully submitted,

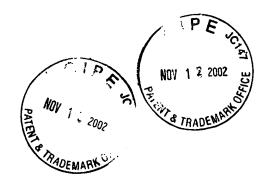
Date: (/2/02

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Application No.:09/644456

## NOTICE TO COMPLY WITH REQUIREMENTS FOR PATENT APPLICATIONS CONTAINING NUCLEOTIDE SEQUENCE AND/OR AMINO ACID SEQUENCE DISCLOSURES

The nucleotide and/or amino acid sequence disclosure contained in this application does not comply with the requirements for such a disclosure as set forth in 37 C.F.R. 1.821 - 1.825 for the following reason(s):

1. This application clearly fails to comply with the requirements of 37 C.F.R. 1.821-1.825.  Applicant's attention is directed to these regulations, published at 1114 OG 29, May 15, 1990 and at 55 FR 18230, May 1, 1990.
2. This application does not contain, as a separate part of the disclosure on paper copy, a "Sequence Listing" as required by 37 C.F.R. 1.821(c).
3. A copy of the "Sequence Listing" in computer readable form has not been submitted as required by 37 C.F.R. 1.821(e). A paper copy is in the file but is not in accordance with new
Sequence Listing Rules.  4. A copy of the "Sequence Listing" in computer readable form has been submitted. However, the
content of the computer readable form does not comply with the requirements of 37 C.F.R. 1.822 and/or 1.823, as indicated on the attached copy of the marked -up "Raw Sequence Listing."
5. The computer readable form that has been filed with this application has been found to be damaged and/or unreadable as indicated on the attached CRF Diskette Problem Report. A Substitute computer readable form must be submitted as required by 37 C.F.R. 1.825(d).
6. The paper copy of the "Sequence Listing" is not the same as the computer readable from of the
"Sequence Listing" as required by 37 C.F.R. 1.821(e).
7. Other:
Applicant Must Provide:
A substitute computer readable form (CRF) copy of the "Sequence Listing".
An <u>initial</u> or substitute paper copy of the "Sequence Listing", as well as an amendment directing its entry into the specification.
A statement that the content of the paper and computer readable copies are the same and, where applicable, include no new matter, as required by 37 C.F.R. 1.821(e) or 1.821(f) or
1.821(g) or 1.825(b) or 1.825(d).
For questions regarding compliance to these requirements, please contact:
For Rules Interpretation, call (703) 308-4216 For CRF Submission Help, call (703) 308-4212 For PatentIn software help, call (703) 308-6856

PLEASE RETURN A COPY OF THIS NOTICE WITH YOUR RESPONSE

mlb 11/4/02

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